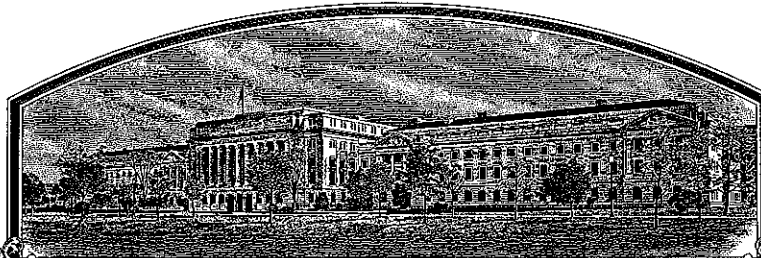


No.



200500114

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

California Planting Cotton Seed Distributors

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC FURNISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR PROPAGATING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED IN THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE MARKETED BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF SEEDS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

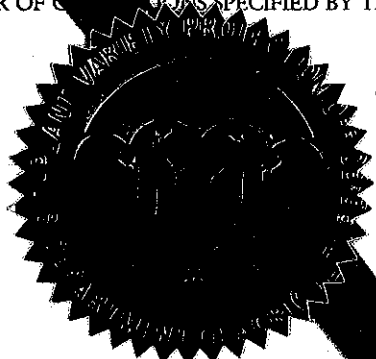
'Acala Fiesta RR'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-sixth day of July, the year two thousand and five.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service


Secretary of Agriculture

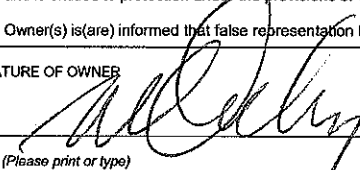


U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER California Planting Cotton Seed Distributors		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME C203	3. VARIETY NAME Acala Fiesta RR
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) PO Box 80357 Bakersfield, CA 93380.0357		5. TELEPHONE (include area code) (661) 399-1400	FOR OFFICIAL USE ONLY PVPO NUMBER 2005 007 14 FILING DATE FEB. 3, 2005
		6. FAX (include area code) (661) 399-3169	
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) Corporation	8. IF INCORPORATED, GIVE STATE OF INCORPORATION California	9. DATE OF INCORPORATION May 13, 1936	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Stephen R. Oakley 30597 Jack Avenue Shafter, CA 93263			FILING AND EXAMINATION FEES: \$ 3,652.00 DATE 2/3/05 CERTIFICATION FEE: \$ 432.00 DATE 5/19/05
11. TELEPHONE (include area code) (661) 746-3366	12. FAX (include area code) (661) 746-6905	13. E-MAIL sroakley@cpcsd.com	14. CROP KIND (Common Name) cotton
15. GENUS AND SPECIES NAME OF CROP Gossypium hirsutum L.		16. FAMILY NAME (Botanical) Malvaceae	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act <input checked="" type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input type="checkbox"/> NO (If "no", go to item 22) 20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED 21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? YES IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	
24. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF OWNER 		SIGNATURE OF OWNER	
NAME (Please print or type) Stephen R. Oakley		NAME (Please print or type)	
CAPACITY OR TITLE Vice President, Director of R&D	DATE 28 Jan 2005	CAPACITY OR TITLE	DATE

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be **received** in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to **reproduce** the variety, or for tuber reproduced varieties verification that a viable (*in the sense that it will reproduce an entire plant*) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (*See Section 97.6 of the Regulations and Rules of Practice.*) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. **Retain one copy for your files.** All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>

ITEM

- 18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
(2) the details of subsequent stages of selection and multiplication;
(3) evidence of uniformity and stability; and
(4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
(1) identify these varieties and state all differences objectively;
(2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
(3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
19. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (*See Regulations and Rules of Practice, Section 97.103.*)
22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

21. CONTINUED FROM FRONT (*Please provide a statement as to the limitation and sequence of generations that may be certified.*)

22. CONTINUED FROM FRONT (*Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.*)

23. CONTINUED FROM FRONT (*Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).*)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (*See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.*)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089. <http://www.ams.usda.gov/lsg/seed.htm>

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

ST-470 (02-10-2003) designed by the Plant Variety Protection Office with Word 2000. Replaces former versions of ST-470, which are obsolete.

200500114

PV # 200500114, 'Acala Fiesta RR' Form 470 Item 23: 2005 RR Seed Bag and Bag Tag Patents						
US Patent No.	Inventor	Description	Country	Status	Patent No.	Filing Date
4,940,835	Shah et al.	Glyphosate Resistant Plants (construct)	Austria	Granted	E85360	8/6/1986
			Australia	Granted	590,597	8/6/1986
			Belgium	Granted	218,571	8/6/1986
			Brazil	Granted	PI11000074	6/12/1996
			Canada	Granted	1,313,830	8/6/1986
			Switzerland	Granted	218,571	8/6/1986
			Germany	Granted	P36876828	8/6/1986
			Denmark	Pending		8/6/1986
			Europe	Filed National	218,571	8/6/1986
			France	Granted	218,571	8/6/1986
			United Kingdom	Granted	218,571	8/6/1986
			Italy	Granted	218,571	8/6/1986
			Japan	Granted	2,615,013	8/6/1986
			Luxembourg	Granted	218,571	8/6/1986
			Netherlands	Granted	218,571	8/6/1986
			New Zealand	Granted	217,113	8/6/1986
			Sweden	Granted	218,571	8/6/1986
			South Africa	Granted	865,921	8/6/1986
5,004,863	Umbeck, Paul F	Genetic Engineering of Cotton Plants and Lines				
			Germany	Granted	P37893599	12/2/1987
			Europe	Filed National	270355	12/2/1987
			Spain	Granted	270355	12/2/1987
			France	Granted	270355	12/2/1987
			United Kingdom	Granted	270355	12/2/1987
			Netherlands	Granted	270355	12/2/1987
5,352,605	Fraley et al.	CaMV35S	Brazil	Granted	PI11010703	5/14/1997
5,378,619	Rogers, Stephen	Promoter for Transgenic Plants	Brazil	Granted	PI11010630	5/14/1997
5,530,196	Fraley et al.	CaMV35S	US only			9/2/1994
5,633,435	Barry et al.	CP4 EPSPS	US only			9/13/1994
5,717,084	Herrera-Estrella et al.	CTP-EPSPS	LICENSED			
5,728,925	Herrera-Estrella et al.	CTP-EPSPS	LICENSED			
5,804,425	Barry et al.	CP4 EPSPS	US only			4/7/1997
6,018,100	Rogers, Stephen	Promoter for Transgenic Plants	US only			2/6/1996
6,051,753	Sanger, et al	Figwort Plant Promoter and Uses	US only			12/4/1992
6,083,878	Brants et al.	Use of glyphosate to increase yield				
			Germany	Granted	69411573	12/30/1994
			Europe	Filed National	719500	12/30/1994
			Spain	Granted	719500	12/30/1994
			France	Granted	719500	12/30/1994
			Greece	Granted	719500	12/30/1994
			Italy	Granted	719500	12/30/1994
			Portugal	Granted	719500	12/30/1994
6,174,724	Rogers et al.	Antibiotic resistance construct	US only			5/4/1995

Exhibit A. Origin and Breeding History - Acala Fiesta RR

Acala Fiesta RR is an Acala cotton variety developed by the backcross (BC) breeding method in an effort in developing a variety of Roundup Ready® Acala Maxxa.

Acala Maxxa is protected under PVP certificate number 9000168 issued on June 7, 1991, to the California Planting Cotton Seed Distributors, and was developed from the cross T7538 X S4959. The pedigree of T7538 X S4959 is (S196 x 1900-1) X [12302-4 x (C6TE x NM 7378)].

The donor variety for the Roundup Ready® trait was Monsanto line 1445, and the F1 progeny from the Acala Maxxa X Monsanto 1445 cross was backcrossed to Acala Maxxa, using Maxxa as the female parent. This BC process was initiated in 1992 and continued to 1995 to produce a BC5F1. The BC5F1 population was subsequently self-pollinated and screened to produce a BC5F3 population. Selections from this BC5F3 population were made to produce BC5F4 lines were screened, evaluated and selected in 1997, 1998 and 1999, respectively, and in 1999 line RS279 was identified. RS279 was evaluated and tested in 2000 through 2002, and in 2003 CPCSD submitted RS279 into the San Joaquin Valley Cotton Board (SJVCB) Screening Test as C203. C203 has continued in SJVCB testing program, and in 2004 C203 was renamed Acala Fiesta RR.

Acala Fiesta RR was evaluated for six generations and no variants have been observed. The performance of Acala Fiesta RR has been uniform and stable.

Exhibit A. Origin and Breeding History - Acala Fiesta RR

Year	Activity
1992-93	F1 Acala Maxxa x Monsanto 1445
1993-95	BC1F1 to BC5F1 produced
1995-96	BC5F3 produced and selected
1996-97	BC5F3 seed increase
1997	BC5F4 Line populations increased
1998	BC5F4 Line populations evaluated
1999	RS279 line identified
2000	RS279 evaluated in Verticillium wilt nursery
2001	RS279 advanced into Lines Test
2002	RS279 continues in Lines Test
2003	RS279 advanced into Advanced Strain Test, and entered into SJVCB Screening Test as C203
2004	C203 advanced into SJVCB Acala Variety Test, and renamed by CPCSD as Acala Fiesta RR

Exhibit B. Statement of Distinctness - Acala Fiesta RR

Acala Fiesta RR was developed by the BC breeding method using Acala Maxxa as the recurrent parent, as was Acala Riata RR (PVP# 200100119), however, Acala Fiesta RR is most similar to Acala Maxxa.

Acala Fiesta RR is similar to Acala Maxxa for many traits with the exception of Roundup[®] herbicide resistance; Acala Fiesta RR is tolerant while Acala Maxxa is susceptible. Acala Fiesta RR can tolerate foliar applications of the herbicide Roundup[®] while Acala Maxxa is highly susceptible to Roundup[®] at any stage of development (Table 1).

Acala Fiesta RR is also different from Acala Riata RR in yarn strength and seed coat fragment traits. Acala Fiesta RR has greater yarn strength and lower seed coat fragments when compared to Acala Riata RR (Table 1).

In summary, Acala Fiesta RR is a novel cotton variety and distinctly different from Acala Maxxa and Acala Riata RR, based upon tolerance to the Monsanto herbicide Roundup[®], yarn strength and seed coat fragment traits.

Table 1. CPCSD Advanced Strain Test 2001-2003			
Variety	Survival Glyphosate Treatment (%)	22's Yarn Strength (g/tex)	SCF Rating
Acala Maxxa	0.4	144.0	2.5
Acala Riata RR	98.5	138.7	3.5
Acala Fiesta RR	99.5	146.7	1.9
LSD.05	2.0	2.9	0.6
CV%	2.8	5.2	29.1

U.S. DEPARTMENT OF AGRICULTURE
PLANT VARIETY PROTECTION OFFICE, AMS, USDA
NATIONAL AGRICULTURAL LIBRARY Bldg., Rm. 400
10301 BALTIMORE Blvd.
BELTSVILLE, MD 20705

OBJECTIVE DESCRIPTION OF VARIETY
COTTON (*Gossypium* spp.)

NAME OF APPLICANT(S) California Planting Cotton Seed Distributors	TEMPORARY DESIGNATION C203	VARIETY NAME Acala Fiesta RR
ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code) PO Box 80357 Bakersfield, CA 93380-0357		FOR OFFICIAL USE ONLY PVPO NUMBER 2005 00114

Place the appropriate data that describes the varietal characteristic of this variety in the space provided. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Royal Horticultural Society or any recognized color fan may be used to determine plant colors. Characters marked with an asterisk * indicate necessary characters to be measured.

SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK VARIETIES IN THIS APPLICATION: Use standard regional check varieties which are adapted to your area. One of the comparison varieties must be the most similar variety used in Exhibit B.

Variety 1. ACALA RIATA RR Variety 2. ACALA MAXXA Variety 3. _____

*1. SPECIES:

☒ *G. hirsutum* L. ☐ *G. barbadense* L.

*2. AREA(S) OF ADAPTATION: (A=Adapted, NA= Not Adapted, NT= Not Tested)

<input type="checkbox"/> Eastern	<input type="checkbox"/> Delta	<input type="checkbox"/> Central	<input type="checkbox"/> Blacklands
<input type="checkbox"/> Plains	<input type="checkbox"/> Western	<input type="checkbox"/> Arizona	<input checked="" type="checkbox"/> San Joaquin
<input type="checkbox"/> Other (Specify): _____			

3. GENERAL: Characteristics which are known to be variable but are still useful for a meaningful description of the variety.

	Fiesta Application Variety	Riata Comparison Variety 1	Maxxa Comparison Variety 2	Comparison Variety 3
Plant Habit: Spreading, Intermediate, Compact	I	I	I	
Foliage: Sparse, Intermediate, Dense	I	I	I	
Stem Lodging: Lodging, Intermediate, Erect	I	I	I	
Fruiting Branch: Clustered, Short, Normal	N	N	N	
Growth: Determinate, Intermediate, Indeterminate	Intermed	Intermed	Intermed	
Leaf Color Greenish yellow, Light green, Medium green, Dark green	MG	MG	DG	

3. GENERAL:

	Fiesta	Riata	Maxxa	
Boll Shape: Length LESS than width, Length EQUAL to width, Length MORE than width	<u>More</u>	<u>More</u>	<u>More</u>	
Boll Breadth: Broadest at base, Broadest at middle	<u>Middle</u>	<u>Middle</u>	<u>Middle</u>	

*4. MATURITY: (Days for 50% Open bolls from sequential harvest dates.)

Days for 50% Open Bolls	<u>134</u>	<u>133</u>	<u>132</u>	
-------------------------	------------	------------	------------	--

5. PLANT:
Cm to 1st Fruiting Branch:

(from cotyledonary node)	<u>16.5</u>	<u>16.7</u>	<u>16.6</u>	
No. of Nodes to 1st Fruiting Branch:				
(excluding cotyledonary node)	<u>5.3</u>	<u>5.5</u>	<u>5.5</u>	
Mature Plant Height cm:				
(from cotyledonary node to terminal)	<u>101.0</u>	<u>103.5</u>	<u>102.8</u>	

*6. LEAF

Type: Normal Sub Okra, Okra,

Super Okra	<u>N</u>	<u>N</u>	<u>N</u>	
Pubescence: Absent, Sparse, Medium, Dense OR Trichomes/cm2 (Bottom surface excluding veins)	<u>M</u>	<u>M</u>	<u>M</u>	
Nectaries: Present or Absent	<u>P</u>	<u>P</u>	<u>P</u>	

*7. STEM PUBESCENCE:
Glabrous, Intermediate, Hairy

<u>I</u>	<u>I</u>	<u>I</u>	
----------	----------	----------	--

*8. GLANDS: (Gossypol) Absent, Sparse, Normal, More Than Normal

Leaf:	<u>N</u>	<u>N</u>	<u>N</u>	
Stem:	<u>N</u>	<u>N</u>	<u>N</u>	
Caly% Lobe: (normal is absent)	<u>A</u>	<u>A</u>	<u>A</u>	

*9. FLOWER

Petals: Cream, Yellow	<u>C</u>	<u>C</u>	<u>C</u>	
Pollen: Cream, Yellow	<u>C</u>	<u>C</u>	<u>C</u>	
Petal Spot: Present, Absent	<u>A</u>	<u>A</u>	<u>A</u>	

*10. SEED

Seed Index:				
(g/100 seed, fuzzy basis)	<u>12.9</u>	<u>12.2</u>	<u>12.6</u>	
Lint Index:				
(g lint/100 seeds)	<u>9.3</u>	<u>9.9</u>	<u>9.5</u>	

2005 00114

EXHIBIT C
COTTON

*11. BOLL

		Fiesta	Riata	Maxxa	
Lint Percent:					
<u>X</u> Picked	Pulled	39.8	42.8	41.2	
OR					
Gin Turnout:					
<u>X</u> Picked	Stripped	35.5	36.4	36.0	
Number of Seeds per Boll		33.3	32.5	31.9	
Grams Seed per Boll		6.8	6.5	6.6	
Number Locules per Boll		4-5	4-5	4-5	
Boll Type:					
(Stormproof, Storm Resistant, Open)		Open	Open	Open	

12. FIBER PROPERTIES

Specify Method (HVI or other):

HVI

* Length: (inches, 2.5% SL)

1.18

1.17

1.19

* Uniformity: (%)

52.1

49.8

50.5

* Strength, T1 (g/tex) stelometer

25.5

24.3

25.2

* Elongation, E1 (%)

8.3

7.6

7.9

* Micronaire:

4.05

3.95

4.15

Fineness (Source _____)

Yarn Tenacity: (cN/tex, 27 tex)

Yarn Strength (lbs. 22's)

147

139

144

13. DISEASES: (NT=Not Tested, S= Susceptible, MS=Moderately Susceptible, MR=Moderately Resistant, R=Resistant)

NT *Alternaria macrospora*NT Fusarium WiltNT AnthracnoseNT Phymatotrichum Root RotNT Ascochyta BlightNT *Pythium* (specify species)NT Bacterial Blight (Race 1)NT *Rhizoctonia solani*NT Bacterial Blight (Race 2)NT Southwestern Cotton RustNT Bacterial Blight (Race _____)NT *Thielaviopsis basicola*NT Diplodia Boll RotR Verticillium WiltNT Other (specify _____)

14. NEMATODES, INSECTS AND PESTS: (NT=Not tested, S=Susceptible, MS= Moderately Susceptible, MR=Moderately Resistant, R= Resistant)

<u>NT</u>	Root-Knot Nematode	<u>NT</u>	Reniform Nematode
<u>NT</u>	Boll Weevil	<u>NT</u>	Grasshopper (specify species):
<u>NT</u>	Bollworm	<u>NT</u>	Lygus (specify species):
<u>NT</u>	Cotton Aphid	<u>NT</u>	Pink Bollworm
<u>NT</u>	Cotton Fleahopper	<u>NT</u>	Spider Mite (specify species): _____
<u>NT</u>	Cotton Leafworm	<u>NT</u>	Stink Bug
<u>NT</u>	Cutworm (specify species): _____	<u>NT</u>	Thrips (specify species): _____
<u>NT</u>	Fall Armyworm	<u>NT</u>	Tobacco Bud Worm
<u>NT</u>	Other (specify): _____		

15. COMMENTS: Present any additional information that cannot adequately be described in 1 through 13 which significantly distinguishes your variety.

Exhibit D. Additional Information - Acala Fiesta RR

Table 2. CPCSD Advanced Strain Test 2003

Variety	Lint Yield				Fiber Properties (across locations)										Seeds			
	Shafter	Riverdale	Dos Palos	Average	Gin Turn Out (%)	2.5% length (in)	Unif. Ratio	T1 (g/tex)	E1	Mic	Yarn Str. (g/tex)	SCF Rating 1=none 8=many	Plant Height (in)	Seed Index (g)	Boll weight (g)	Lint Percent (%)	Lint per boll (g)	Seeds per boll
Acala Maxxa	968	1380	1484	1277	32.6	1.181	49.7	26.6	8.2	4.27	141	1.8	47.0	12.8	5.6	41.0	2.3	26.0
Acala Riata RR	1046	1474	1522	1347	32.8	1.169	49.7	26.0	8.4	4.18	136	2.5	50.0	12.8	5.6	40.8	2.2	26.0
Acala Fiesta RR	1117	1394	1533	1348	31.9	1.174	50.4	27.5	8.6	4.20	143	1.0	49.0	13.3	5.7	39.6	2.3	27.0
LSD.05	99	65	81	90	1.0	0.017	1.8	1.1	0.4	0.25	4	1.1	3.0	0.8	0.8	0.8	0.3	5.0
CV%	7.8	3.6	4.4	4.6	2.6	1.0	2.5	2.7	3.6	3.9	1.6	43.6	2.8	4.2	7.6	1.4	7	9.6

Table 3 CPCSD Preliminary Strain Test 2002

Variety	Lint Yield				Fiber Properties (across locations)										Seeds			
	Shafter	Tulare	Riverdale	Average	Gin Turn Out (%)	2.5% length (in)	Unif. Ratio	T1 (g/tex)	E1	Mic	Yarn Str. (g/tex)	SCF Rating 1=none 8=many	Plant Height (in)	Seed Index (g)	Boll weight (g)	Lint Percent (%)	Lint per boll (g)	Seeds per boll
Acala Maxxa	1548	1553	2051	1717	33.6	1.178	49.2	26.2	8.3	4.08	147	3.0	48.8	13.0	6.4	41.2	2.7	29.1
Acala Riata RR	1750	1636	1920	1769	34.3	1.173	48.1	25.3	8.2	3.87	141	4.5	49.6	12.6	6.1	42.0	2.6	28.3
Acala Fiesta RR	1907	1599	2089	1865	33.0	1.186	50.1	26.0	8.4	3.95	151	2.5	44.4	13.3	6.6	40.3	2.7	29.6
LSD.05	105	92	127	174	0.7	0.019	1.1	0.9	0.4	0.19	7	1.3	5.7	0.6	0.5	0.7	0.2	2.4
CV%	4.9	4.9	5.5	7.1	1.1	1.2	1.9	3.8	5.8	4.4	2.7	17.7	7.4	3.7	5.4	1.2	5.3	6.0

Table 4. CPCSD Lines Test 2001

Variety	Lint Yield				Gin Turn Out (%)	Fiber Properties (across locations)								Yarn Str. (g/tex)	SCF Rating	Plant Height (in)
	Shafter (lbs/A)	Strathmore (lbs/A)	Average (lbs/A)			2.5% length (in)	Unif. index	T1 (g/tex)	E1	Mic						
Acala Maxxa	1203	1229	1216	33.7	1.186	46.2	24.0	7.1	3.83	144	2.6	45.8				
Acala Riata RR	1504	1325	1414	34.3	1.165	46.8	23.4	7.2	3.76	139	3.6	45.8				
Acala Fiesta RR	1962	1439	1701	33.5	1.161	48.2	25.2	7.5	3.91	146	2.2	42.3				
LSD.05	167	163	393	1.0	0.018	1.2	1.3	0.5	0.21	8	0.8	8.7				
CV%	8.4	6.9	18.0	1.7	0.9	1.5	3.3	4.0	3.3	3.6	16.0	13.5				

2005 00114

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) California Planting Cotton Seed Distributors	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER C203	3. VARIETY NAME Acala Fiesta RR
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) PO Box 80357 Bakersfield, CA 93380-0357	5. TELEPHONE (Include area code) (661) 399-1400	6. FAX (Include area code) (661) 399-3169
7. PVPO NUMBER 2005 00114		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☒ YES ☐ NO

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐ YES ☐ NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐ YES ☐ NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

The applicant is the original breeder and current owner of the variety, thus an ownership trace is not necessary.

The variety was developed from germplasm and seedstocks owned by the applicant, by individuals employed by the applicant, at facilities owned by the applicant, or through contractual arrangements made by the applicant.

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.